

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1367394	fibrous or porous or mat or woven or mesh	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 09:32
L2	1093017	fibrous or porous or mesh	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 09:32
L4	54762	(ceramic or alumina or zirconia or metal oxide) near4 2	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 09:34
L5	439220	4 or woven or mat	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 09:34
L7	990	5 same reform\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 09:35
L8	53812	5 same (mix\$4 or reflectiv\$4 or radiat\$4 or flame)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 09:36
L9	1804	8 and reform\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 09:37
L10	1432	9 and cataly\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 09:37
L11	1438	9 and cataly\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 09:37
L12	50	9 and cataly\$7	EPO; JPO; DERWENT	ADJ	ON	2007/11/08 10:01
L13	329	filter with reform\$4	EPO; JPO; DERWENT	ADJ	ON	2007/11/08 10:04
L14	10	13 with upstream	EPO; JPO; DERWENT	ADJ	ON	2007/11/08 10:01
L15	769	filter with reform\$4	US-PGPUB; USPAT	ADJ	ON	2007/11/08 10:04
L16	37	15 with upstream	US-PGPUB; USPAT	ADJ	ON	2007/11/08 10:07

## EAST Search History

L17	302	reform\$4 with (mesh or mat)	US-PGPUB; USPAT	ADJ	ON	2007/11/08 10:08
L18	408	reform\$4 with (mesh or mat)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 10:08
L19	171	18 and (ceramic or alumina or zirconia)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 10:08
L20	176	18 and (ceramic or alumina or zirconia or metal oxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 10:09
L21	176	18 and (ceramic or alumina or zirconia or metal oxide or "Al.sub.2" "O.sub.3")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 10:09
L22	173	20 not grieve.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 10:10
L23	158	22 not plasma	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 10:49
L24	901	insulat\$5 near5 reform\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 11:38
L25	8	insulat\$5 with gradient same reform\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 10:58
L26	1898105	shield or reflect\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 11:02
L27	681	26 with reform\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 11:02
L28	50	27 with cataly\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 11:02
L33	1	("5108618").PN.	US-PGPUB; USPAT	OR	OFF	2007/11/08 11:23

## EAST Search History

L34	8	25 same gradient	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 12:07
L35	18892	insulat\$6 with (prevent\$4 or protect\$4) with temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 12:10
L36	18	35 same reform\$4 same catal\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 13:52
L37	838	ruhl.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 12:13
L38	53	35 same reform\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 13:52
L39	35	38 not 36	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 14:16
L40	120847	premature	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 14:17
L41	4731	prematu\$4 near3 (react\$3 or conver\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 14:18
L42	36	41 same reform\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 14:36
L43	16	shield with 41	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 14:38
L44	1237	radiat\$5 and 41	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 14:39
L45	38	44 and reform\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/08 14:44

## EAST Search History

L46	10	((("5118891") or ("5116879") or ("4882824") or ("4476247") or ("4605751") or ("5447705") or ("6072097") or ("6207122") or ("6221280") or ("6221117"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/11/08 14:45
L47	39	("3655484"   "3945805"   "4087259"   "4115074"   "4200682"   "4244811"   "4379109"   "4381187"   "4483691"   "4522894"   "4778484"   "4789384"   "4844837"   "4913982"   "5421842"   "5486313"   "5510056"   "5639401"   "5648582"   "5654491"   "5658497"   "5720901").PN. OR ("6221280").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/08 14:53
L48	4	47 and shield	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/08 14:57
L49	1	("6579510").PN.	US-PGPUB; USPAT	OR	OFF	2007/11/08 14:57
S1	1	("5250094").PN.	US-PGPUB; USPAT	OR	OFF	2007/11/06 12:48
S2	1	("5108618").PN.	US-PGPUB; USPAT	OR	OFF	2007/11/06 13:42
S3	417	mat near5 flame	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/06 14:37
S4	4	((("5938800") or ("5733675") or ("5019463") or ("6214066"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/11/06 13:44
S5	0	S4 and mat	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/06 13:50
S6	1	("6326095").PN.	US-PGPUB; USPAT	OR	OFF	2007/11/06 14:36
S7	7	S3 same reform\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/06 14:42
S8	1	("5019463").PN.	US-PGPUB; USPAT	OR	OFF	2007/11/06 14:41
S9	23	S3 and reform\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/06 14:42

## EAST Search History

S10	16	S9 not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/06 14:43
S11	189	mat same reform\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/06 15:12
S12	2	((("5686196") or ("4921765"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/11/08 11:23
S13	39938	reflectiv\$5 same radiat\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/06 15:28
S14	377	S13 and reform\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/06 15:29
S15	981	S13 same (ceramic or zirconia)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/06 15:29
S16	21	S15 and reform\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/06 15:29
S17	14	("5019463"   "5733675"   "5938800"   "6214066"   "6423896"   "6464947"   "6481641"   "6485852"   "6486087"   "6562496"   "6562502"   "6608463").PN. OR ("7025903").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/06 15:39
S18	1142700	(insulat\$5 near material) or mat or fibrous or mesh	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/06 15:40
S19	3732	S18 near5 inlet	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/06 15:40
S20	6057	S18 near5 (inlet or upstream or downstream)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/06 15:41
S21	184	S20 and reform\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/06 15:41
S22	27	S21 and radiat\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/06 15:41

## EAST Search History

S23	630	S20 same mix\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/06 15:42
S24	21	S23 and reform\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/06 16:14
S25	1142700	(insulat\$5 near material) or mat or fibrous or mesh	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/07 05:54
S26	79755	S25 same (ceramic or alumina or zirconia)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/07 05:55
S27	1558189	(insulat\$5 near material) or mat or fibrous or mesh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:12
S28	1558189	(insulat\$5 near material) or mat or fibrous or mesh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 05:55
S29	79755	S25 same (ceramic or alumina or zirconia)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 05:57
S30	22265	S27 with (inlet or upstream or downstream)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 05:56
S31	6057	S25 near5 (inlet or upstream or downstream)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/07 05:56
S32	16208	S30 not S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 05:56
S33	596	S32 same (ceramic or alumina or zirconia)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:19

## EAST Search History

S34	30	S33 and reform\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:09
S35	1465	S28 with filter with mix\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:10
S36	3	S35 same reform\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:09
S37	7333	S28 with filter same mix\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:13
S38	22	S37 same reform\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:10
S39	51616	S28 with filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:13
S40	67	S39 same reform\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:18
S41	32244	filter with (ceramic or alumina or zirconia)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:19
S42	141	S41 same reform\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:19
S43	23	S42 same (upstream or downstream or inlet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:22

## EAST Search History

S44	1861612	filter or mix\$4 near zone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:23
S45	3030	S44 same reform\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:23
S46	421	S45 same (ceramic or alumina or zirconia)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:23
S47	49	S46 same layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:45
S48	12743	particulate near filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:45
S49	140	S48 same reform\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 06:49
S50	48	filter with upstream with reform\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 07:05
S51	298	mix\$4 with upstream with reform\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 07:05
S52	80	S51 and ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 07:51
S53	1	("6878471").PN.	US-PGPUB; USPAT	OR	OFF	2007/11/07 07:54



## EAST Search History

S54	691	(flame or arrestor) with reform\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 07:54
S55	21	S54 same ceramic	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 07:54
S56	691	(flame or arrestor) with reform\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 08:28
S57	21	S56 same ceramic	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 09:27
S58	18582	Kaneko.in.	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2007/11/07 08:42
S59	218	S58 and Koichi.in.	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2007/11/07 08:43
S60	6	S59 and Fuji.as.	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2007/11/07 08:42
S61	0	S59 and reform\$4	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2007/11/07 08:43
S62	1770958	mixing or mix or blending or blend	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 09:27
S63	75068	(methanol or natural gas or hydrocarbon or methane) near5 (steam or air or oxygen)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 09:29
S64	3408	S62 with S63	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 09:29
S65	554	S64 same reform\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 09:30

## EAST Search History

S66	23	S65 same (ceramic or alumina)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 09:44
S67	395	reform\$4 with honeycomb	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 09:44
S68	41	S67 same outlet	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/11/07 10:47